



REPLACEMENT SHEET
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FIG. 1

	Sample 1		Sample 2		Sample 3		Sample 4		Sample 5		Sample 6		Comparative Sample 1		Comparative Sample 2	
	Needle-like Wollastonite	4.5	Needle-like Wollastonite	4.5	Needle-like Wollastonite	4.5	Needle-like Wollastonite	4.5	Needle-like Wollastonite	4.5	Needle-like Wollastonite	4.5	Needle-like Wollastonite	4.5	Needle-like Wollastonite	4.5
Properties of evaluated samples	Amount of particles (parts by weight)		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	Shape of particles		Needle-like		Needle-like		Needle-like		Needle-like		Needle-like		Needle-like		Needle-like	
	Material for particles		Wollastonite		Wollastonite		Wollastonite		Wollastonite		Wollastonite		Wollastonite		Wollastonite	
	Particle hardness (Mohs hardness)		4.5		4.5		4.5		4.5		4.5		4.5		4.5	
	Average grain size (μm)		4		8		13		20		40		640		10	
	Average particle length (μm)		12		40		78		360		640		10		10	
	Particle content (wt. %)		2.2		2.2		2.2		2.2		2.2		2.2		2.2	
	Coating thickness (μm)		20		20		20		20		20		20		20	
Evaluation results	Ease of coating		5		5		5		5		5		5		5	
	Ease of cutting Test A		2		3		4		4		4		4		4	
	Adhesive strength		5		5		5		5		5		5		5	
	Overall evaluation		Δ (12)		\odot (13)		\odot (14)		\odot (14)		\odot (13)		Δ (12)		\times (11)	
Parameters	Parameter 1		Δ (12)		\odot (13)		\odot (14)		\odot (14)		\odot (13)		Δ (12)		\times (11)	
	Parameter 2		\odot		\odot		\odot		\odot		\odot		\odot		\times	
	Parameter 3		\times		\times		\times		\times		\times		\times		\times	
	Parameter 4		\times		Δ (lower)		\odot		\odot		Δ (upper)		\times		\times	
			\odot		\odot		\odot		\odot		\odot		\odot		\times	

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FIG. 2

Properties of evaluated samples	Sample 4		Sample 7		Sample 8		Sample 9		Sample 10		Sample 11	
	Needle-like		Needle-like		Needle-like		Needle-like		Needle-like		Needle-like	
Amount of particles (parts by weight)	1.0		1.0		0.3		0.5		0.4		1.7	
Shape of particles	Wollastonite		Glass		Glass		Glass		Glass		Glass	
Material for particles	4.5		6.5		6.5		6.5		6.5		6.5	
Particle hardness (Mohs hardness)	12		10		10		10		10		10	
Average grain size (μm)	264		348		348		348		348		348	
Average particle length (μm)	2.2		2.2		0.7		1.1		3.0		3.6	
Particle content (wt.%)	20		20		20		20		20		20	
Coating thickness (μm)	5		5		5		5		5		5	
Ease of coating	2		5		3		4		5		5	
Ease of cutting Test B	5		5		5		5		4		3	
Adhesive strength	Δ (12)		\odot (15)		\odot (13)		\odot (14)		\odot (14)		\odot (13)	
Overall evaluation	\odot		\odot		\odot		\odot		\odot		\odot	
Parameter 1	\times		\odot		\odot		\odot		\odot		\odot	
Parameter 2	\odot		\odot		\odot		\odot		\odot		\odot	
Parameter 3	\odot		\odot		\odot		\odot		\odot		\odot	
Parameter 4	\odot		\odot		\times		Δ (lower)		Δ (upper)		\times	